

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/012662

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12N15/82 C12Q1/68 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12N C12Q A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, Sequence Search, EMBL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 'Online! 25 November 2001 (2001-11-25), "Mus musculus clone RP23-182G17, LOW-PASS SEQUENCE SAMPLING." XP002318755 retrieved from EBI accession no. EM_PRO:AC101211 Database accession no. AC101211 Positions 51663 - 51683 ----- -/-</p>	1-3

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

25 February 2005

Date of mailing of the international search report

14/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Bucka, A

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2004/012662

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 'Online! 28 August 2002 (2002-08-28), "Mus musculus BAC clone RP23-307E9 from chromosome 7, complete sequence." XP002318982 retrieved from EBI accession no. EM_PRO:AC131669 Database accession no. AC131669 Positions 14695 - 14715	1-3
X	ANONYMOUS: "Application for licence for dealings involving an intentional release into the environment DIR 036/2003 Title: Breeding and pre-commercial evaluation of transgenic cotton expressing a vegetative insecticidal protein (VIP) and a herbicide tolerance gene" INTERNET ARTICLE, 'Online! October 2003 (2003-10), XP002318972 AUSTRALIA Retrieved from the Internet: URL: <a href="http://www.ogtr.gov.au/pdf/ir/dir036f1nalramp.pdf">http://www.ogtr.gov.au/pdf/ir/dir036f1 nalramp.pdf</a> > 'retrieved on 2005-02-22! the whole document	1-25
P, X	WO 2004/039986 A (SYNGENTA PARTICIPATIONS AG; ELLIS, DANIEL, MURRAY; NEGROTTO, DAVID, VI) 13 May 2004 (2004-05-13) the whole document	13, 15-25
X	WO 96/10083 A (CIBA-GEIGY AG) 4 April 1996 (1996-04-04) the whole document	10-25
Y	page 12	1-9, 14, 16
X	WO 02/078437 A (SYNGENTA PARTICIPATIONS AG; MILES, PAUL; KRAMER, VANCE; SHEN, ZHICHENG) 10 October 2002 (2002-10-10) the whole document	10-25
Y	page 43	1-9
X	RICE W C: "Specific primers for the detection of Vip3A insecticidal gene within a Bacillus thuringiensis collection" LETTERS IN APPLIED MICROBIOLOGY, vol. 28, no. 5, May 1999 (1999-05), pages 378-382, XP002318971 ISSN: 0266-8254 the whole document	13, 15, 17, 22-25
Y	page 379, left-hand column; figures 1, 2	1-9, 14, 16
	----- -/-	

BEST AVAILABLE COPY

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/012662

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SELVAPANDIYAN A ET AL: "Toxicity analysis of N- and C- terminus-deleted vegetative insecticidal protein from Bacillus thuringiensis" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, WASHINGTON,DC, US, vol. 67, no. 12, December 2002 (2002-12), pages 5855-5858, XP002251845 ISSN: 0099-2240 page 5855, right-hand column page 5857, right-hand column	13,15, 17,22-25
X	YU C-G ET AL: "THE BACILLUS THURINGIENSIS VEGETATIVE INSECTICIDAL PROTEIN VIP3A Lyses MIDGUT EPITHELIM CELLS OF SUSCEPTIBLE INSECTS" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, WASHINGTON,DC, US, vol. 63, no. 2, February 1997 (1997-02), pages 532-536, XP000673006 ISSN: 0099-2240 figure 2	18-20, 22-25
A	WO 03/013224 A (BAYER BIOSCIENCE N.V) 20 February 2003 (2003-02-20) page 6 - page 8 page 13 - page 17	1-25

BEST AVAILABLE COPY

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2004/012662

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004039986	A	13-05-2004	WO 2004039986 A1	13-05-2004
WO 9610083	A	04-04-1996	US 5849870 A	15-12-1998
			AT 256743 T	15-01-2004
			AU 692934 B2	18-06-1998
			AU 3743395 A	19-04-1996
			BG 101384 A	31-10-1997
			BR 9509099 A	30-09-1997
			CA 2199049 A1	04-04-1996
			CN 1160420 A	24-09-1997
			CZ 9700908 A3	16-02-2000
			DE 69532333 D1	29-01-2004
			DE 69532333 T2	07-10-2004
			DK 792363 T3	26-04-2004
			WO 9610083 A1	04-04-1996
			EP 1382611 A2	21-01-2004
			EP 0792363 A1	03-09-1997
			ES 2213162 T3	16-08-2004
			HU 77449 A2	28-04-1998
			JP 10506532 T	30-06-1998
			PT 792363 T	31-05-2004
			RU 2196824 C2	20-01-2003
			SI 792363 T1	30-04-2004
			TR 960263 A2	21-06-1996
			US 6107279 A	22-08-2000
			US 6137033 A	24-10-2000
			US 6066783 A	23-05-2000
			US 5888801 A	30-03-1999
			US 5990383 A	23-11-1999
			US 5872212 A	16-02-1999
			US 5889174 A	30-03-1999
			US 5770696 A	23-06-1998
			US 5840868 A	24-11-1998
			US 5866326 A	02-02-1999
			US 5877012 A	02-03-1999
			US 2002078473 A1	20-06-2002
			TW 496896 B	01-08-2002
			ZA 9508121 A	29-04-1996
WO 02078437	A	10-10-2002	BR 0208589 A	23-03-2004
			CA 2442594 A1	10-10-2002
			EP 1377157 A2	07-01-2004
			HU 0303738 A2	01-03-2004
			WO 02078437 A2	10-10-2002
			ZA 200307266 A	03-05-2004
WO 03013224	A	20-02-2003	US 2003097687 A1	22-05-2003
			BR 0211726 A	21-09-2004
			WO 03013224 A2	20-02-2003
			EP 1417312 A2	12-05-2004
			US 2005005334 A1	06-01-2005

BEST AVAILABLE COPY